~~Beagle Hill to~~
~~Coen~~
~~Cooktown~~

Collection No. 66

Alice Springs to Darwin, N.T.

K.H.L. Key

15/3 – 5/4/1955.

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15/3. Bepleurida sp. 1, Cuparessa sp. High Creek, S.A. Stony brown soil with green grasses, Bassia & a composite. On aerodrome. Bepleurida sp. 1, 2♂ (K1), ?Cuparessa 1♂ (K2)

Alice Springs. Low range (Gneiss) in eastern part of town. Rocky hill crest leading down by steps to flat alongside small creek. Perbellia picta, Genus nov. 6(?), Genus nov. 5(?), Macrarpha cerosina, Azelota ochracea, Macrotona Acacia Kempiana to 7ft, Eremophila variegata, Peakesia sp. 1, sp. 4, Callitra (occ.) freelingii to 3ft, Eremophila labrobei, Peakesia sp. 3, Descoleria lepida(?), Caprascula occ. A. tetragonophylla, Cassia sturtii & Corallipes, Genus nov. 28, Pespilia sp. 1, Caprasca C. artemisioides to 3ft. Themeda australis dominant sp. 2, Pycnostictus striatus, Buforania sp., on lower slopes, Enneapogon sp. dominant Troggattina australis, Cephanteles quadrilobus, higher up. Flat with Bassia sp., Salsola Kali & Aristida arenaria under scattered Callitala centralis, Morabea asimus, Genus nov. 56 E. intertexta (callopus) & camaldulensis. Peakesia spp., Pycnostictus, & Genus nov. 5 almost confined to flat. Callitala possibly on Cassia sturtii. Chat. Peakesia sp. 1, 1♂ (K4), Callitera variegata 1♂ (K3), Callitala centralis 1♂ (K5).

Gonioca sp. 3 (macronotum?)

16/3. 21795 Alice Springs. Along Hermannsburg road. 21790. Mulga to 10ft, scattered Quakeffa maculata, Morabg asimus Cassia sturtii to 3ft on brown soil on gently undulating country moderately stony, annual grass pasture to 4in. Trioggatnia.

793. Acacia estrophiolaba (ironwood) to 20ft. leading through a pure stand of Genus nov. 6(?), Azelota ochracea, Peakesia sp. 1, Peakesia sp. 3, Biplassia sp. 1, Pycnostichus seriatus Aristida ramulosa much broken down + more shooting to 2ft. to E. canaldulensis lining creek. Occ. bushwood + Hakea lorea. Chloris acicularis + Digitaria aurioplila tufts occ. Brown gritty soil (desert loam). Trioggatnia, Chart. Biplassia sp. 1 10↑ (K6) Peakesia sp. 3, 10↑ (K7)

796. Rocky hill with E. papuana, occ. Perbellia picta, Genus nov. 5(?), Azelota ochracea, Macrotona sp. 6, Peakesia sp. 1, Peakesia low Callitris glauca, Triodia molesta, + sp. 2, Gonioca sp. 3 (macronotum?), Gonioca sp. 4, sparse grass tussocks, leading to Pycnostichus seriatus, Genus nov. 5/6 callopus flat with E. canaldulensis on brown desert loam. Macrotona in Triodia. Gonioca sp. 10↑ (K8), Macrotona sp. 6, 10↑ (K10)

Genus nov. 6(?)

21804. Acacia Kempiana, occ. A. aneura & all to 10ft
Hakea lorea, with 3-4ft. shrubs of Eremophila latrobei & 6-12 in. Kochia triptera. Aristida arenaria & Digitaria brownii the chief grasses (to 1ft). Patch of Themeda australis in small watercourse. Bassia lanicuspis common. On flat.

Macrotona scariformis, Goniacidia sp.1,
811. Creek with standing water & damp Austracris guttulosa, Diolopus tamulus, Genus soil with liverwort & mosses, lined nov. 68
with E. camaldulensis. Bank and for some yards away from it with Chloris acicularis to 2ft., sedges between tussocks. Austracris in cops. Froggatina

Macrotona sp.6, Apotropis sp., Caprasoma
816. Standley Chasm. E. camaldulensis Coallipes, Perdillana sp.1
& occ. E. terminalis in narrow ravine
with occ. Macrozamia macdonnellii, Dodonaea viscosa, Melaleuca sp. (spec.)
(both to 6ft);
& shrubby composite, & Triodia spp. (2)
(On steep slopes of ravine). Apotropis sp.
1♂ (K9)

822. Back at Hermannsburg road

from south side

17/3(1) Climbed Heaviside Ra. ca. 1 mile W. of Heaviside Gap & collected along crest to nothing ca. 1 mile of Mt. Gillen, rising to an altitude probably not more ~~less~~ than 100 ft lower than Mt. Gillen. The strata dip steeply to the S. & the S. face bears practically nothing but Triodia sp. ~~nov.~~ nov. 56 molesta with scattered mallees of E. ~~gillenii~~ morissi. Towards the crest we get scattered E. gamophylla (bloodwood), E. intertexta, & E. sp. (spec.) (all of mallee form), Callitris glauca, & ~~sp.~~ spec. nulga, with scattered Eremophila freelingii & Cassia artemisioides. Here also there are small, flat, sandy or gravelly patches a few yards diam. between the rock & dwarf specimens. (Ablepharus confined to these) Whole range extremely rocky, with little soil. All species found on crest; some of these not noted lower down, viz: Corynotus, Cyrtodactylus, Ablepharus. Ablepharus lepida (?) 10♂ (K11), Rusumpha sp. 1 16♂ (K13), Desertana sp. 2 2♂ (K12), Macrotona sp. 4 10♂ (K14), ~~Cyrtodactylus~~ Desertana sp. 2 10♂ (K15)

Ca. 3 miles W of Gap

(2) At base of range, S side: Mulga & Perbellia picta, Capraxa sp. 1 Eremophila freelingii. occ. Eremophila latrobei. Quadrat

(3) Row of limestone hills immediately S. of Heaumbeeka, with Eremophila freelingii, some mulga, occ. E. oleosa, occ. and a glaucous long-leafed Triodia. rocky Macrozlota cervina, Macrotona sp. 4, Peakesia sp. 1 (Ca. 1 mile W. of Gap) Buforania sp.

18/3 3657. Alice. 659. Turn off left to Emily Gap. 661. Quartzite hill, very rocky, Perbellia picta, Genus nov. 5 (?), Macrozlota cervina, Agiota ochracea, Macrotona sp. 4, Casuarina artemisioides) Collitera variegata, dip almost vertical. Mulga, Eremophila freelingii, occ. E. latrobei, with Atalaya Apotropis sp., Peakesia sp. 1, Peakesia sp. 2, Peakesia sp. 3, Desertaria lepida (?), Desertaria sp. 2, Genus and Eue. papuana near base, & leading to flat with E. macrotheca & dense Chloris acicularis. Moraba asp. 2, Capraxa sp. 1, Ecphantus quadrilobus, nov. 28, Goniaea sp. 4, Pardillana sp. 1, Perpulia with two rocky grass, some of it Moraba sp. n. 16, M. sp. n. 19, Genus nov. 56. Thrincda australis, near bottom of hill; callopus Pardillana with the coolibahs, Collitera with grassy sandy flat away from Genus nov. 28 Goniaeodia 1♂ (K24) 2, coolibahs. Moraba 2♂ (K16), Peakesia sp. 2 ♂ (K25) K21 picta 1♂ Phaulacridium sp. 1♂ (K17), Perbellia (K18), Macrozlota cervina 1♂ (K19), Genus nr. Perpellana 2♂ (K20) (1♂ escaped), Pardillana sp. 1 1♂ (K22), Perpulia sp. 2 1♂ (K23)

Macrotona sp. 4, (pale) Apotropis sp.,
3666. Emily Gap Coarse sand with
Desmotaria lippida(?), Gonioaca sp. 3 (macronotum?),
sparse seedlings, lining watercourse
Sphingonotus erythropterus, Moraba sp. n. 16
containing water (only temporary),
with E. camaldulensis. Also extreme
fringe of adjacent rocky range with
a mulga, E. terminalis, ca shrubby
malvaceous plant to 3ft. Macrotona
on slope, Sphingonotus on sand.

Return.

668. ~~Thysporum platycarpum(?)~~ Beplessia
~~Trichodesma sp. 3~~ (8 spec.) + some Hakea
sp. 1, Psycnostichus scriatus 3ft
leuoptera, both to 10ft. with Mundabora
Apotropis sp.
of rather dense Cassia spp. (2) + very
occ. Eremophila freelingii, on sandy +
stony rise + adjacent grassy flat.

19/3. 21955. Alice Springs depart.
Maireana lotacerioma, Macrotona sp. 4(?),
966. Rocky gressic hill with ironwood,
Pycnostictus seriatus
Hakea lorea, Acacia Kempeana rare.
A. tetragonophylla all to 10ft with broke
& C. artemisioides
understorey of Cassia sturtii to 3ft. &
Indigofera glycobrycha to 1ft. Scattered
tussocks of Chloris acicularis & Themeda
australis. Leading down to sandy creek
bed lined with casuarina with
fairly dense large tussocks of Chloris
acicularis. Frogatt no. Anthrocnemum halocnemoides

973. Sixteen Mile Creek.
Aglotia ochracea, Macrotona securiformis,
976. Mulga, Acacia Kempeana, A. estrophlo-
Piaksia sp. 3, Dysteria sp. 1, Pespalia sp. 1,
phora all to 8ft, with variable
Pycnostictus seriatus
understorey of Cassia eremophila,
all to 3ft
Eremophila mitchellii (?) & Acacia sp.)
Patches of Eremophila gilesii to 1ft.
Scattered Eragrostis eriopoda & other
grasses, with species of Kochia, Bassia,
& Rhagodia mainly underbrush. Gently
undulating country, red sandy loam.
Pespalia under mulga. Frogatt no.

21988. Hairy Creek.
Azelota sp. 2, Macrolophelia sp., Moraba

989. Burt Plain. Slightly undulating
acinosa, M. sp. n. 19
brown soil with occ. depressions,
leading to very low hardish rise with
much of surface densely covered with
purple gravel. Plain with tussocky
grasses to 1ft, mainly Astrebla pectinata,
Eragrostis setifolia (C), Aristida sp. Rise
with mulga to 12ft & Cassia desolata
to 1ft. Moraba & Warramunga on gravel
E. setifolia in depressions on margins
of rise. Macrolophelia on rise. Chork
Moraba sp. n. 19 mulga 3 ♂ (K27), 1 ♂ (K29)

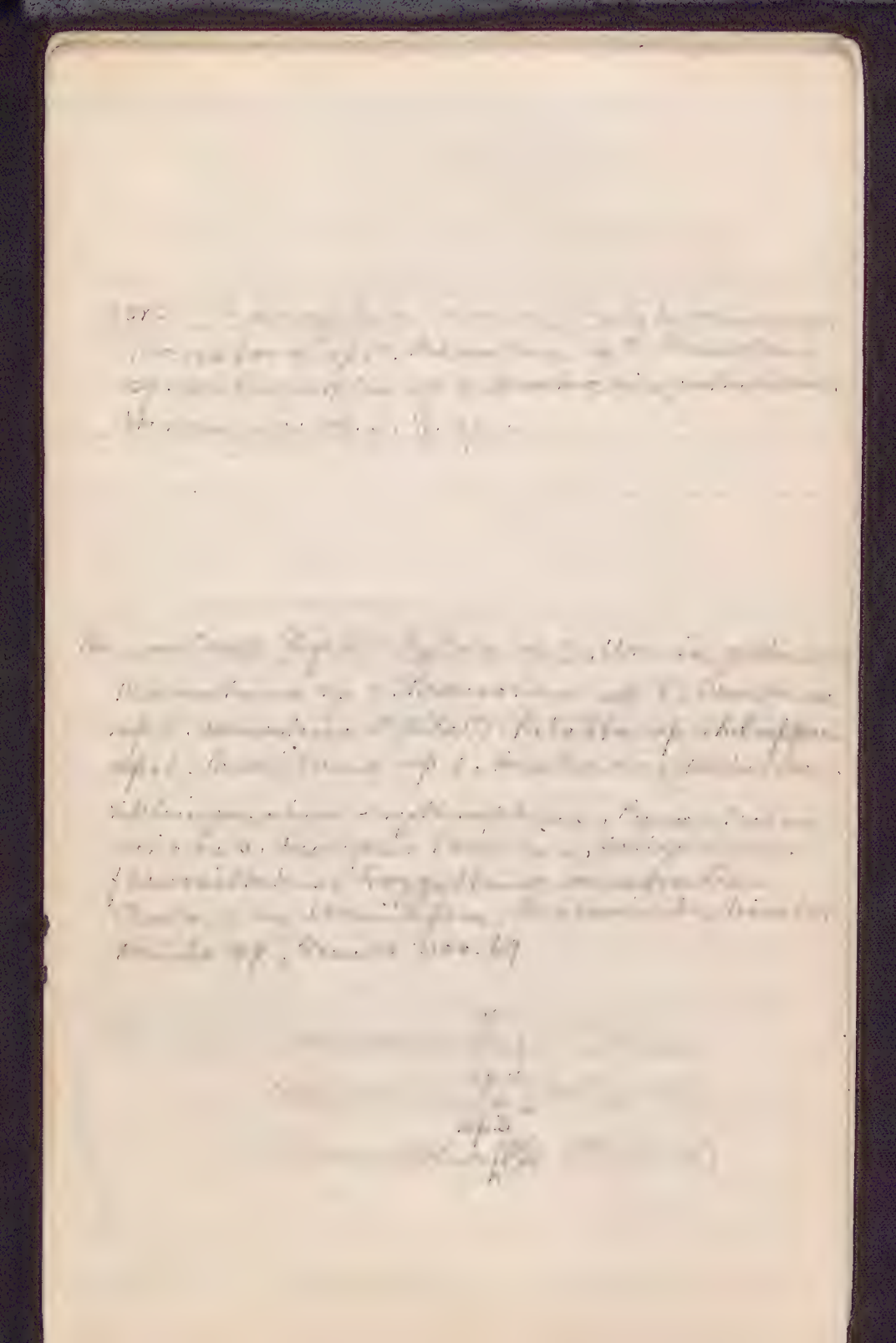
991. Burt Creek
Desmodium sp. 1
22014. Connor's Well. Half a mile beyond
Rather open
well: Gradually flat. H. arenosa, occ.
A. kempeana & A. leptopetala, & Hakea
intermedia all to 12ft; with Cassia
eremophila occ. to 4ft. Triodia
basedowii & T. pungens abundant, with
~~Eriopoda~~ Eragrostis eriopoda equally
so. Paspalostylis scaber.

Ablectia rufescens (?), Lysiphloia
220 27. Ham Ra. Acacia ~~dictyophleba~~
Macrotona sp. 10, Warramunga sp. 1
to 7ft (sparse), Grevillea wickhamii to
6ft., Clerodendron floribundum, & occ.
Calitris glauca (to 20ft), with abundant
ground cover of Triodia sp. ~~(~~ (long-
leafed viscous) & Triodia basedowii (only
not on slopes or summit).
at foot of hill) All on rocky quartzite
ridge. Lycosa tictus senicaus. Warramunga
on Triodia sp. (viscous). Warramunga sp 130 (K26)
10 nymphs (K28) (2 nymphs dissected: one testis lost)
039. Aileron
20/3. Return to Ham Ra. 039. Aileron.
051. Ham Ra. Turn off to ~~west~~ east along
north face of range.
Macrargiola cervina, Argiola sp. 1, Macrotona
053. Stopped. Quartzite rocky dip-slope
sp. 6, Macrotona sp. 10, Rhaphidia sp. 1,
with Triodia (viscous sp. as at last
Ablectia rufescens (?), Plateasia sp. 2, Desertaria
stop) leading down into shallow
sp. 1, Desertaria lepida (?), Caprascula corallina (to 6ft)
valley with Mulga. Santalum lanceolatum
pea, (Lysiphloia to 12ft) Buforania sp.,
Acacia ~~dictyophleba~~, A. spondylophylla
Warramunga sp. 11
(to 1ft), Grevillea wickhamii to 7ft,
ground layer of Triodia basedowi. On
lower slopes, E. gamophylla mallee.
Stony in valley, red sandy loam.
Turn round

T. spicata

Plectrachne schinzii

T. pungens



T. longiceps

A. adsurgens, Cowleana, ancastrocarpa

T. longiceps

Acacia coriacea

A. stipuligera

Acacia hilliana

G. refracta

Macrotona sp. 6, Macrotona sp.

Acacia gonoclada.

Macrotona sp. 9, Macrotona sp. 13. Genus nov. 12(?) sp. 2, Warrammunga sp. A. pityoides

Macrozamia cerroana, Acacia sp. 1, Macrotona sp. 9, Genus nov. 5? sp. 1

Synemporala sp. 1, Conulea sp. 4, Collitya sp. n. 1

Acacia lysiphloia,

A. hilliana,

2355.

Perbellia picta, Macrocelo.

22431

Peakesia sp. 2, Peakesia stramin

Austroicetes tricolor, Herida

Templetonia hookeri

sp.1 sp.11

22151. Hyla sp.1, Hyla sp.11, Rana sp.
h. sp.2, Rana sp.111 sp.2, Ranidae sp.,
Ranidae sp.1, Gecko sp.1
A. pilsbryi,
hilliana to Sp.
Rana sp.1, Rana sp.2, Dendrobates sp.1, Rana
sp.4, Bufo sp.

C. pectinata

E. ferruginea

Brachyachne

convergens

Excoecaria parvifolia

Waltheria indica

Sorghum sp.

Chrysopogon fallax Aristida pruinosa

Macropteranthe

Kerkwickii

Petalostigma quadriloculare

Alphitonia excelsa

22543.

A. humida

C. microphylla

Acacia platycarpa

Macropharanthus Keckwickii

Corchoris sidoides

primora

brevicinis ... nov. 13 (?) sp. 1

22653. ... sp. 1, Macrocara sp. 28,

Curbilladia Mavscainaka, Genus nov. (?) 52,

Gouiaea sp. 1. Ephalmatia ainadeiloides

Macrocara conglobata, Genus nov. 13 (?) 31.

primora,

Genus nov. 15 (?) sp. 1, Genus nov. 52, (1)

Genus sp. nov, Genus nov. 13 (?) sp. 1

E. patellaris

35

ferruginea

... E. confertiflora, E. tetradonta,

E. ligaleria

E. fuchsifica

4, Genus nov. 63, Moraba sp. n. 17

, Genus nov. 62 sp. 1.

Carpellaria flavocrinata, Genus nov. 64,

Genus nov. 65 sp. 1, Carpellaria

flavocrinata, Genus nov. 64, Moraba sp. n.

Moraba (?) Moraba sp. n. 17.

2 7 6 3

Lemur nov. 15(?) sp. 2, Macrotarsius sp. 1, Lemur nov. 52, Pedetes cf. pentadactylus, Lemuravus sp. n.

Nesotragus bavaricus, Morotha sp. n. 17,

N. cuvieranus, Zebratula flavoniana, Ro[illegible]

Morotha

15(?) sp. 3

Iolandia cuvieri(?), (?) Sciuravus [illegible]

Lemur nov. 15(?) sp. 2, (Ro 408), Morotha sp. 17

Lemur nov. 51 sp. 2, Lemur nov. 52. Pedetes

straminea, (Ro 408) Nesotragus bavaricus Lemur nov.

N.B. Mileage readings from Katherine to Darwin are given the arbitrary figure of 30 for the thousands.

[NB. remaining mileage readings are given the arbitrary figure of 50 for the thousands.]

monsoon
~~rain~~ forest. Only mangroves & fringing shrubs sampled. Valanga in both communities, other spp. in shrubs & grass only. Australeris guttulosa

(2) Monsoon Loxocalanus sp. 2, Rectitropis oxalysa,
50579 ~~Rain~~ forest. Typical development Stenocatantops angustifrons
of miscellaneous trees to 40ft (non-emer) casting dense shade with climbing bamboo-like plant and partly leaf-covered floor, partly bare spongy soil. Rectitropis present both here & in the more tangled sunny fringing vegetation - in about equal numbers. Catantops much more numerous in fringe, but also present in monsoon forest, Tetrigids in ~~rain~~ forest only, on the patches of bare soil (which were not obviously covered with algae).

580. Nightcliff

581 Turn left into Macmillans road.

Rectitropis gaclusa
50582 Rapid Creek. Acacias, Pandanus, & all other trees to 25ft, with Pandanus lining small flowing creek with narrow mud earth banks. Grass & forbs lining banks.

Return to Darwin

5/4.

618. Elizabeth River. Turned west along north bank.

619. Trees to 40ft, Erythrophleum, Tolyadia cimpbelli C.), Curpillaria flavoviridis, Gonioaea sp. 5, Austrosiris basalis, Genus Pandanus, Grevillea sp., & other small trees, with ground layer of grasses mainly 2-3ft, some higher. Genus nov. 70, Peakesia straminea

Genus nov. 70 (K99)

620. Back on Highway. Headed towards Darwin. 621 Left Highway again to left Gonioaea sp. 1 (K106).

622. E. minuta to 50ft with dense grass to 6ft. 622. Back on Highway

660. Bagot (on Bagot road)

662 Turned right along McMillans road

50665. Turned off to left.

667. Heaneyer Swamp (1) On margin (Ironstone knob?)
of swamp is a fringe of Tolgadia sp. n., Tolgadia amplulli (?), Genus quartzite & sandstone outcrops nov. 61 (K), Genus nov. 65 sp. 1, (to ca. 25 ft) Calophilla in places, bearing mesic, Eucalyptus dustalis, Curpilladia flavocarinata, Genus phlebium, Hemistoma & Lycas media, nov. 52, Gonacoidea sp. 3, Gonacea sp. 1, Gonacea with a fairly dense shrub layer to 2-3 ft & a little grass of varying sp. n. 14, Morabagraciliscillis, Rectitropis exclusa, species to 2-3 ft. In places Genus nov. 70 are patches of a glaucous-phyllode acacia (spec) & a green ditto. The "Callitala" seen feeding on the glaucous one. On an area of very duel slightly exposed rock there were acacias a heathy plant (Calythrix?) and grasses Morabasp. n. 14, 15 (K105) Callitala brevicornis 101 (K101, K102) & rushes only. Curpilladia flavocarinata 15 (K105) Tolgadia latifolia (?), Tolgadia sp. n., Austraorio
(2) Swamp margin proper & Grasses to gutturoba, Diolopus sp. 1, Heteropternis obscurella, off with fairly dense Pandanus, Stenocathutopsis tripennis.
leading through definite zonation of grasses of different species & reduces growing in height to swamp of cyperaceae with Diolopus sp. & fully grown

Tolgadia ck edge of water.

Turn round.

5066-(3) Patch of laterite gravel: grass nos. 70. 40 ft.

668. Back on McMillan's road.

6/4. Seen at Mt. 2sa:- Gastrumaignus musicus, Anabacionguttulosa, Acrida conica, Pycnosachtus serratus, Aiolopus tamulus, Zephantus quadrilobus

Coll. at Mt. 2sa:- Peakesia sp. 1, Chotoicches terminifera, Austroicches tricolor

[NB. See list of Hotis preparations and General Observations on trip at back of this book.]

[Plant names in red supplied by R.E. Lenkworth from specimens. Names in pencil mainly provided by Lenkworth in the field. "E. terminalis", where queried, should probably read "E. polycarpa" (suggested by R.A. Perry).]